

FIG. 1

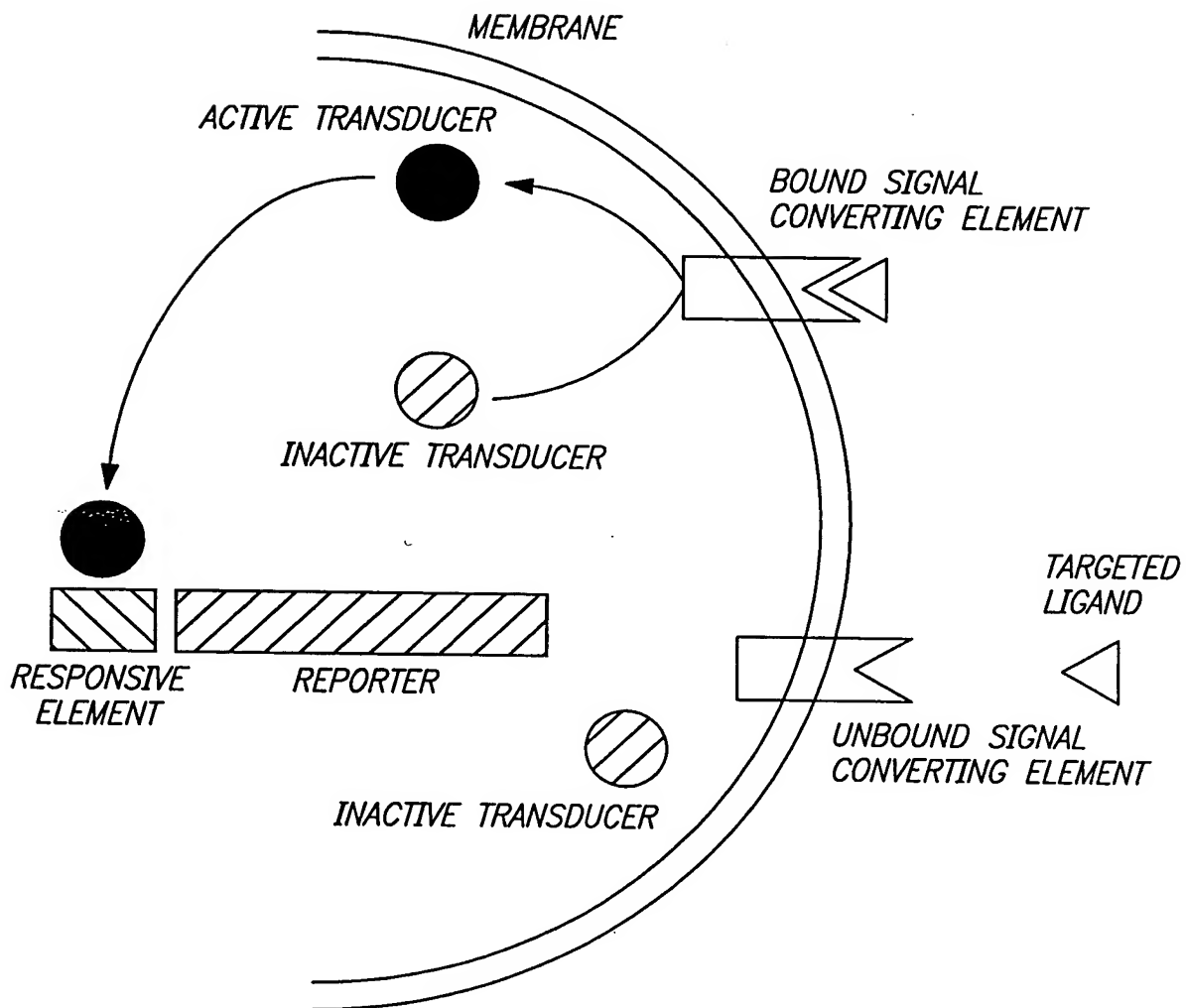


FIG. 2

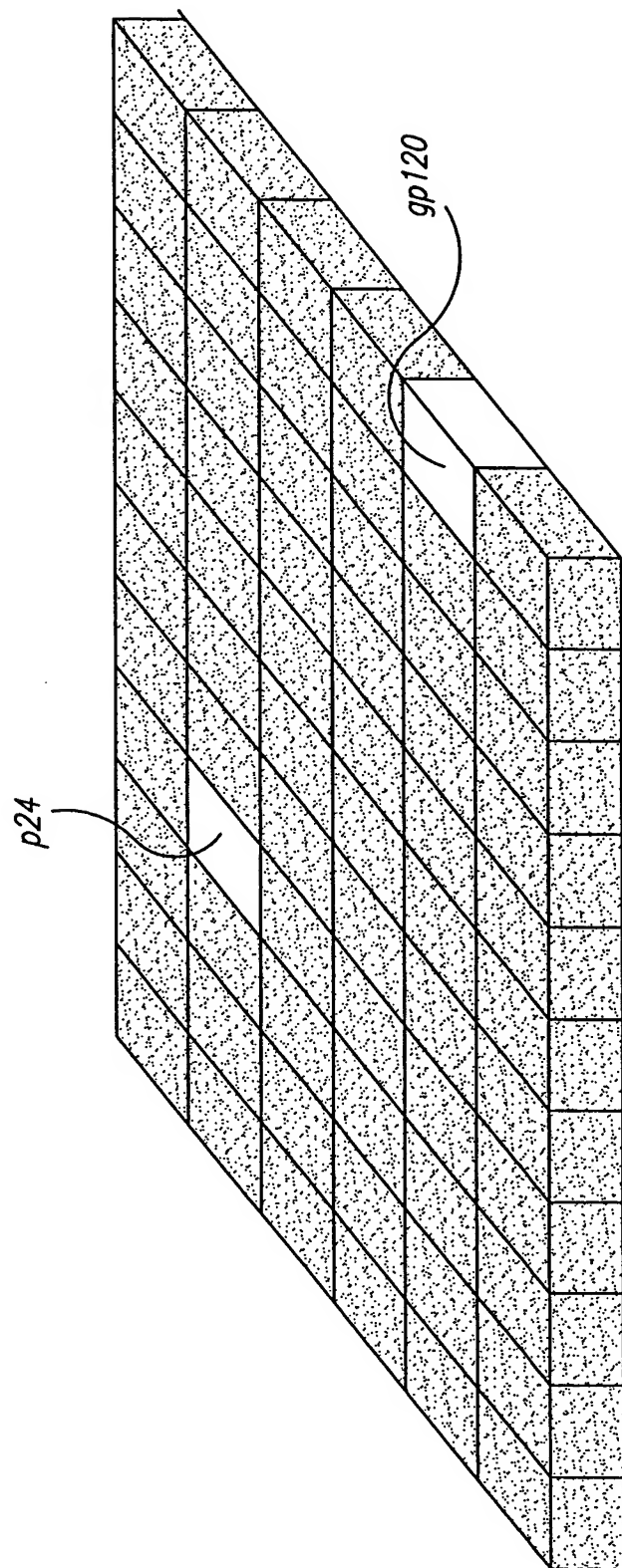


FIG. 3

[illegible]

Diagram illustrating the transducer mechanism in the outer membrane of a bacterium. The diagram shows the outer membrane, periplasm, and inner membrane. An antibody fusion protein is embedded in the outer membrane. It is connected to a transducer. The transducer has an active state (indicated by a dot) and an inactive state (indicated by a cross). The active state is associated with a $-PO_4$ group. The inactive state is associated with ATP. The active state is labeled "ACTIVE TRANSDUCER" and the inactive state is labeled "INACTIVE TRANSDUCER". The active state is also labeled "ADP" and the inactive state is labeled "ATP".

FIG. 4

Effect of Human Blood on Signal
from Bioluminescent *Salmonella*

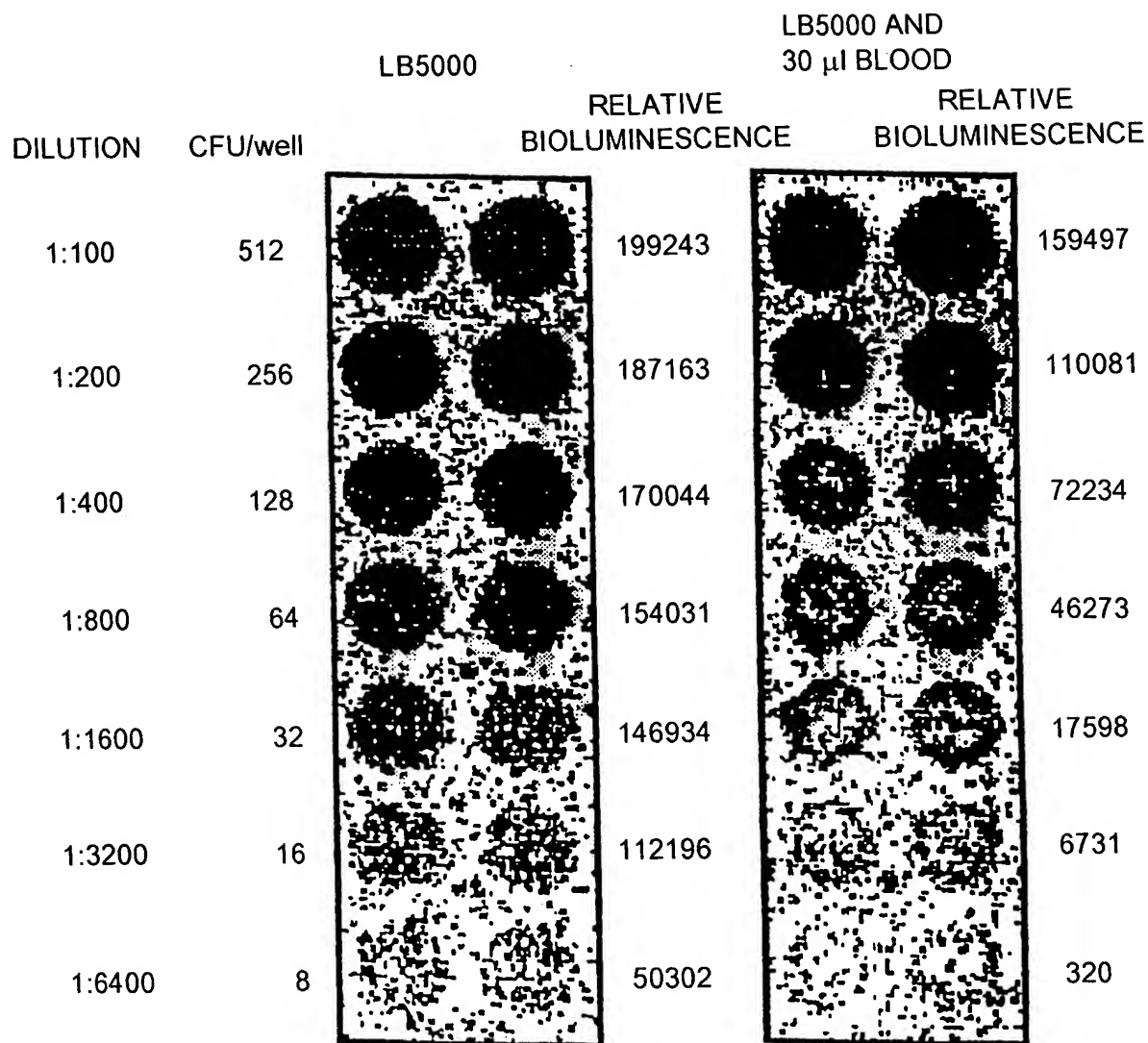


FIG. 5

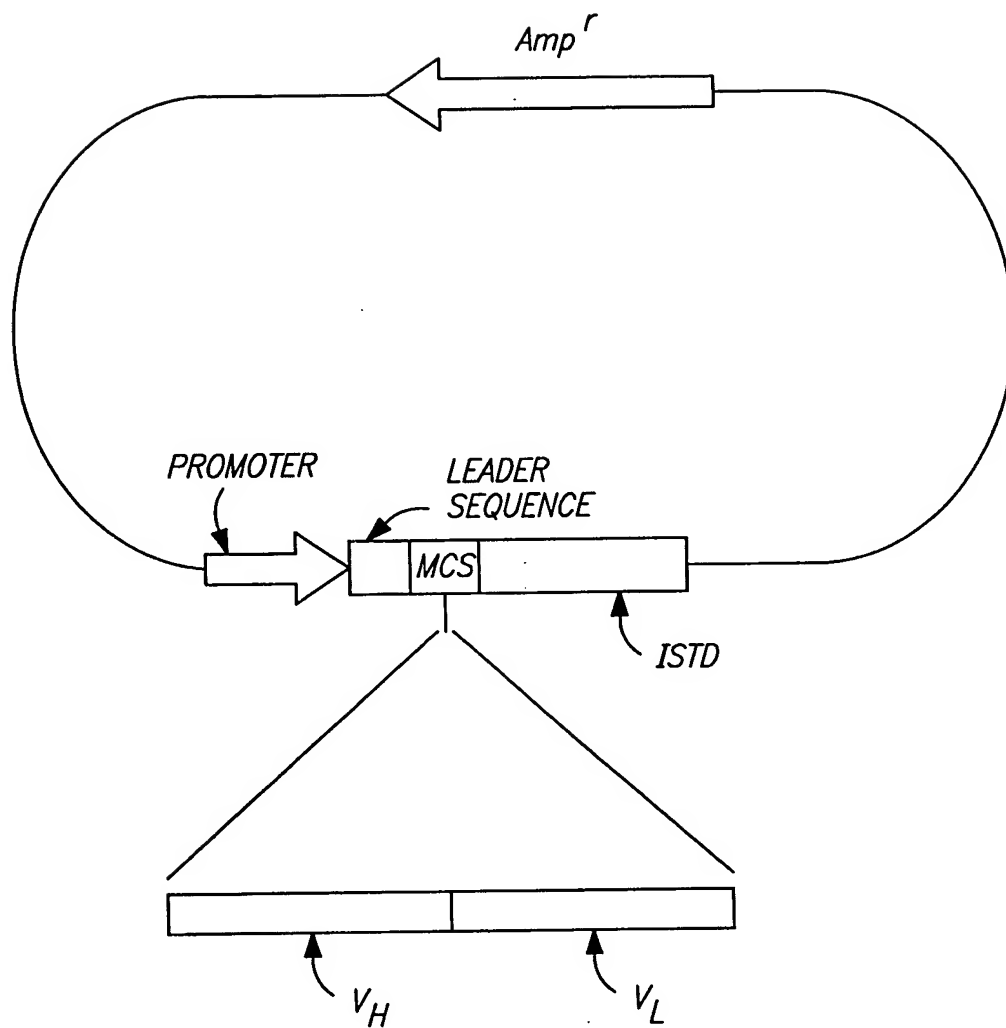


FIG. 6